

What is claimed is:

SUB
A2

1. An orthogonally ambiguous carpet tile.
2. The orthogonally ambiguous carpet tile of claim 1, wherein the tile has a tufted face.
3. The orthogonally ambiguous carpet tile of claim 1, wherein the tile has a woven face.
4. The orthogonally ambiguous carpet tile of claim 1, wherein the tile has a fusion bonded face.
5. An orthogonally ambiguous carpet tile having a pattern comprising a background color and a first color different from the background color.
6. The carpet tile of claim 5, wherein the background color and the first color have similar intensities.
7. The carpet tile of claim 5, wherein the pattern comprises shapes, at least one of which shapes is formed by at least one straight line.
8. The carpet tile of claim 7, wherein adjacent shapes comprise at least one common color.
9. The carpet tile of claim 7, wherein the at least one straight line is oriented parallel to an edge of the carpet tile.
10. The carpet tile of claim 7, wherein at least one shape comprises only the background color.

Sub
Aq
cont

11. The carpet tile of claim 7, wherein a least one shape comprises the background color and the first color.

12. The carpet tile of claim 7, wherein the pattern further comprises a second color different from the background color and the first color.

13. The carpet tile of claim 12, wherein the background color, the first color, and the second color have similar intensities.

14. The carpet tile of claim 12, wherein at least one shape comprises only the background color and the second color.

15. The carpet tile of claim 12, wherein at least one shape comprises the background color, the first color, and the second color.

16. The carpet tile of claim 12, wherein the pattern further comprises a third color different from the background color, the first color, and the second color.

17. The carpet tile of claim 16, wherein the background color, the first color, the second color, and the third color have similar intensities.

18. The carpet tile of claim 16, wherein at least one shape comprises only the background color and the third color.

19. The carpet tile of claim 16, wherein at least one shape comprises only the background color, the second color, and the third color.

20. An orthogonally ambiguous carpet tile comprising a pattern of shapes, at least one of which shapes is formed by a straight line oriented parallel to an edge of the carpet tile, wherein the shapes are further formed from at least one of a plurality of colors comprising at least a background color, a first color, and a second color, wherein at least

one of the shapes is formed from the background color only, at least one of the shapes is formed from the background color and the first color only, at least one of the shapes is formed from the background color and the second color only, and at least one of the shapes is formed from the background color, the first color, and the second color, wherein the background color, the first color, and the second color have similar intensities and wherein adjacent shapes comprise at least one common color.

Sub B3
21. Floorcovering comprising at least two orthogonally ambiguous carpet tiles positioned side-by-side.

22. Floorcovering comprising at least two orthogonally ambiguous carpet tiles positioned side-by-side wherein each tile comprises a pattern formed by a background color and at least two colors different from the background color, wherein the background color and at least one of the at least two colors different from the background color are the same for the at least two orthogonally ambiguous carpet tiles.

Sub A3
23. The carpeting of claim 22, wherein the pattern on each of the at least two orthogonally ambiguous carpet tiles comprises shapes, at least one shape on each of the at least two orthogonally ambiguous carpet tiles having a straight side.

24. The carpeting of claim 23, wherein adjacent shapes on each of the at least two orthogonally ambiguous carpet tiles comprise at least one common color.

25. A method for designing a pattern for a carpet web usable to produce orthogonally ambiguous carpet tiles, comprising:

- a. selecting a background color for the carpet web;
- b. using a plurality of colors, including the background color, to form shapes on the carpet web; and
- c. designing and positioning the shapes on the carpet web so that at least one shape has at least one straight side parallel to an edge of the carpet web and adjacent shapes have at least one common color.

26. A method for designing a pattern usable to produce orthogonally ambiguous square modules, comprising:

- a. selecting a background color for the pattern;
- b. using a plurality of colors, including the background color, to form shapes in the pattern; and
- c. designing and positioning the shapes in the pattern so that at least one shape has at least one straight side parallel to a module edge and adjacent shapes have at least one common color.

ADD L
A47

ADD 4
D7

ADD 4
D7